

BROAD RANG PCR AMPLIFICATION TECHNIQUES

Abstract of the Disclosure

Disclosed herein are methods and kits for determining whether a nucleic acid sequence includes a particular allele of a polymorphic sequence. These methods and kits focus on two sets of primers that are specific for an allele and are contacted with a nucleic acid sequence. One primer in each set is complementary to the polymorphic sequence at its 3'-terminal nucleotide and contains one or more mismatches in the five nucleotides adjacent to the 3' terminus. The two sets of primers preferentially amplify methods are used to identify single nucleotide polymorphisms, for example, for genomic mapping purpose.